## SAPONIN DERIVATIVES FOR INHIBITION SIALYLTRANSFERASE ACTIVITY AND BIOSYNTHESIS OF SIALOGLYCOCONJUGATE

## **ABSTRACT OF THE DISCLOSURE**

The invention provides the use of the saponin derivatives, which is

of the general formula (I) or the pharmaceutically acceptable salts and

esters thereof:

$$R_{2}$$
 OH  $R_{3}$  OH  $R_{4}$  Wherein

10

 $R_1$  is hydrogen,  $C_{1-8}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl, or  $C_{1-8}$  alkylhydroxy;

R<sub>2</sub> is hydrogen, C<sub>1-8</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, COOH, COOC<sub>1-8</sub>alkyl;

 $R_3$  is  $C_{1-8}$  alkylhydroxy, hydrogen,  $C_{1-8}$  alkyl, C2-6 alkenyl or  $C_{2-6}$  alkynyl;

R4 is a sugar residue; and

m is 0, 1, 2 or 3;

and pharmaceutically acceptable carriers, as well as the use of such pharmaceutical composition in the inhibition of sialyltransferases.